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PATENT ABSTRACTS OF JAPAN

(21) Application number: **11087155**(51) Intl. Cl.: **H01Q 1/38 H01Q 9/30 H01C**(22) Application date: **29.03.99**

<p>(30) Priority:</p> <p>(43) Date of application . publication: 13.10.00</p> <p>(84) Designated contracting states:</p>	<p>(71) Applicant: NGK INSULATORS LT. ARAI HIROYUKI</p> <p>(72) Inventor: MIZUNO KAZUYUKI HIRAI TAKAMI MIZUTANI YASUHIKO ARAI HIROYUKI</p> <p>(74) Representative:</p>
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(54) ANTENNA SYSTEM

(57) Abstract:

PROBLEM TO BE SOLVED: To effectively reduce the size of a dielectric antenna, increase the gain of the antenna, and widen the band of the antenna.

SOLUTION: An antenna system is constituted by integrally forming a monopole antenna element 24 which is formed in, for example, a strip-like shape by using an electrode film and to which the feeding point (feeding connector 22) of a feeder line is connected and a parasitic element 26 which is formed in, for example, a strip-like shape by using an electrode film and provided near the antenna element 24 on a dielectric substrate 20 formed by baking one platy dielectric layer or a laminated body composed of a plurality of platy dielectric layers. For example, the antenna element 24 is formed on the lower surface of the substrate 20 and

